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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

CHANG, YEAN HSI

ART UNIT PAPER NUMBER

2835

DATE MAILED: 06/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/607,851

Applicant(s)

RUMNEY, GARY SIMON

Examiner

Yean-Hsi Chang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 May 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 and 5-20 is/are rejected.
- 7) ☒ Claim(s) 4 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Response to Amendment

1. The amendment to the claims filed on 5/16/05 does not comply with the requirements of 37 CFR 1.121(c) because the identifier to claim 12 is incorrect.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-2, 5-6 and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Toor (US 5,748,442).

Toor teaches a mounting arrangement (figs. 3 and 7) for mounting a removable component (200) to a module (1) of a rack-mounted modular electronic circuit (fig. 2) having an insertion opening (215) for the removable component, comprising: a mounting sleeve (partly shown in fig. 4; not labeled) into which the removable component is insertable in an insertion direction, and a latching collar (201 and 202) attachable to the removable component, wherein the mounting sleeve is fixable in the module in alignment with the insertion opening, and wherein the latching collar is adapted closely to surround the removable component and comprises a resilient latching arm (204) extending outwardly from the collar and having a detent surface

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(208) facing in a direction opposite the insertion direction and a gripping tab (210), the arrangement being such that the latching collar passes through the insertion opening and into the mounting sleeve as the removable component is inserted into the mounting sleeve, and the detent surface of the collar engages an interior engagement surface adjacent the insertion opening to prevent movement of the removable component in a direction opposite to the insertion direction (see col. 7, lines 7-45) and the gripping tab extends out through the insertion opening when the removable component is fully inserted (claim 1); wherein the latching collar is provided with two or more latching arms (203 and 204) (claim 2); wherein the latching collar is formed with resilient contact fingers (203 and 204) adapted to engage the interior of the mounting sleeve (claim 5); wherein the latching collar has an inwardly projecting contact (216) to engage, and electrically connect the collar to the removable component (claim 6); and wherein the latching collar is provided with two or more latching arms (203 and 204), and wherein the latching collar is formed with resilient contact fingers (207 and 208) adapted to engage the interior of the mounting sleeve (claim 17).

4. Claims 7-8 and 10-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Toor.

Toor teaches a housing (fig. 9) for a module of a rack-mountable electronic circuit, comprising: a front face (shown in fig. 9, not labeled) accessible when the module is mounted in a rack, an insertion opening (215) formed in the front face, a mounting sleeve (partly shown in fig. 4; not labeled) mounted within the module in

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alignment with the insertion opening, and an engagement surface (shown in fig. 4; not labeled) adjacent the insertion opening and facing inwardly of the housing for engaging a detent surface (208) of a latching arm (204) of a latching collar (202) mounted to a removable component (200) insertable through the insertion opening and receivable in the mounting sleeve (claim 7); wherein the insertion opening is formed with one or more outwardly extending recesses, and an engagement surface is positioned adjacent the end of each recess remote from the opening (fig. 4) (claim 8); a electronic module comprising at least one electronic circuit (200) (claims 10-11).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 12-15 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Toor in view of Tanzer et al. (US 6,636,422 B1).

Toor teaches a mounting collar (202, fig. 7) for mounting a removable component (200) to an electronics module (1) of a modular rack-mountable electronic circuit (fig. 2), the collar comprising: a strip (fig. 7) shaped in a loop to surround the removable component, and formed with at least one resilient latching arm (204) extending transversely of the strip and outwardly of the loop, the latching arm comprising a detent surface (208) facing away from the strip and a gripping tab (210) extending from the

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detent surface in a direction away from the strip (claim 12); wherein the strip is formed with resilient fingers (203 and 204) protruding outwardly from the loop (claim 13); and wherein the sides are dimensioned so that the loop closely surrounds a DVD drive (see col. 7, lines 7-8) (claim 15).

Toor fails to teach the strip being of electrically conductive material and being rectangular in form.

Tanzer teaches a mounting collar (100, fig. 1) comprising: a strip (106) being of electrically conductive material (see col. Col. 5, lines 52-54) (claim 12), being formed with electrical contact fingers (112) (claim 13), and being in a rectangular form having two parallel longer sides and two parallel shorter sides (fig. 1) (claims 14 and 20).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Toor with the collar taught by Tanzer for providing EMI shielding.

7. Claims 3, 9, 16 and 18-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Toor in view of Bologna (US 6,084,768).

Toor discloses the claimed invention except indicating how the mounting sleeve being attached to the module.

Bologna teaches a mounting arrangement (fig 1) comprising a mounting sleeve (24, fig. 2) attached to a module (12) by a mounting lug (shown in fig. 2) extending perpendicularly to the insertion direction and engageable with the module at a region adjacent the insertion opening (in front of housing 26).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Toor by the mounting sleeve taught by Bologna for clearly identifying the way by which the mounting sleeve may be attached.

Allowable Subject Matter

8. Claim 4 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

9. The following is a statement of reasons for the indication of allowable subject matter: The best prior art of record, Toor (US 5,748,442), tanzer et al. (US 6,636,422 B1), and Bologna (US 6,084,768), taken alone or in combination, fails to teach or fairly suggest: a mounting arrangement comprising a detent surface of a resilient latching arm of a latching collar of the mounting arrangement, engaging a mounting lug extending from a mounting sleeve by which the mounting sleeve may be attached to a module of a rack mountable electronic circuit as set forth in claim 4.

Response to Arguments

10. Applicant's arguments filed 5/16/05 have been fully considered but they are not persuasive. Applicant argues that "no teaching or suggestion in the description of Figures 7 or 8 of Toor (or elsewhere in Toor) that tab 210 (or tab 209) extend through an insertion opening when the associated removable component is fully inserted".

Applicant is suggested to see figs. 7 and 9 of Toor. It is shown in fig. 9 of Toor that the

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removable component 200 is fully inserted in an insertion opening 215, latching arms 203 and 204 are extending through the opening 215, and the gripping tabs 209 and 210 are front end portions of 203 and 204, respectively, as shown in fig. 7.

Conclusion

11. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Correspondence

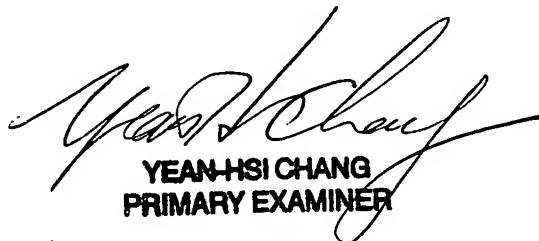
12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yean-Hsi Chang whose telephone number is (571) 272-2038. The examiner can normally be reached on 07:30 - 16:00, Monday through Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the Art Unit phone number is (571) 272-2800, ext. 35. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-8558.

Yean-Hsi Chang
Primary Examiner
Art Unit: 2835
June 1, 2005



YEAN-HSI CHANG
PRIMARY EXAMINER